



United Engineering Services

Consultancy, Energy Audit, Instrumentation, Maintenance Management System, Safety Audit, Technical Audit and Trainings



Pakistan Engineering Council
Continuing Professional Development (CPD) Approved
Training Program

Protection of Electrical Network and Equipment

Karachi

Wednesday and Thursday 19th-20th December 2018

CPD Point "1"

Objectives:

- The aim is to provide safety requirement of electrical equipment's in industry. It will also provide basic know how of safe working practices for engineers.
- Senior engineer get knowledge of major safety standard for classified areas Specially Oil and Gas sector. It will also full the requirement of H.R. regarding H.S. E. (Health, Safety, and Environment.)
- Time will be an excellent opportunity for those who one way or the other or involved with safety.

Who Should Attend:

- Senior & Middle Managers, Engineers and all those who are responsible or associated with safety of personal and equipment.

Workshop Fee:

- Fee for program is **Rs. 19,500/- per participant** Which includes workshop material, certificates, and lunch.
- Please send your nomination(s), along with the workshop fee, before 18th December 2018
Payment should be made in favor of "United Engineering Services"

Timing:

09:30 a.m. to 04:30p.m.

Part – III

- 4. Harmonics**
 - 4.1. Causes
 - 4.2. Implication
 - 4.3. Solutions
- 5. Safety Consideration**
 - 5.1. Equipment safety
 - 5.2. Personal safety

Workshop Contents:

Part – I

1. General Safety Requirements

- 1.1. Introduction
- 1.2. Safety rules
- 1.3. Safety at works

Part – II (A)

2. Technical

- 2.1. Grounding
- 2.2. Static grounding
- 2.3. Lightning protection
- 2.4. Surge protection

Part – II (B)

3. Technical

- 3.1. Fault calculation
- 3.2. Safety of batteries
- 3.3. Safety of HV and LV switchboards
- 3.4. Safety in classified area
- 3.5. Inspection and testing (BS-7671)
- 3.6. Testing procedure (as per IEC)

In view of the increasing pace of change, United Engineering Services brings you learning Programs for Improvement of Technical Skills. Individuals who endeavor to improve themselves must attend the events. United Engineering Services, made possible through Learning Bites.



The distinguishing features of Learning Bites are:-

- They are designed to be an easy and learnable material.
- They are highly pocket friendly opportunity, and above all,
- They are digestible, accessible, and affordable.



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Early Bird Discount: 10% per participant (Before 9th December 2018)

Multiple Nominations: Three or more nominations are entitled for a further discount 10% per participant.